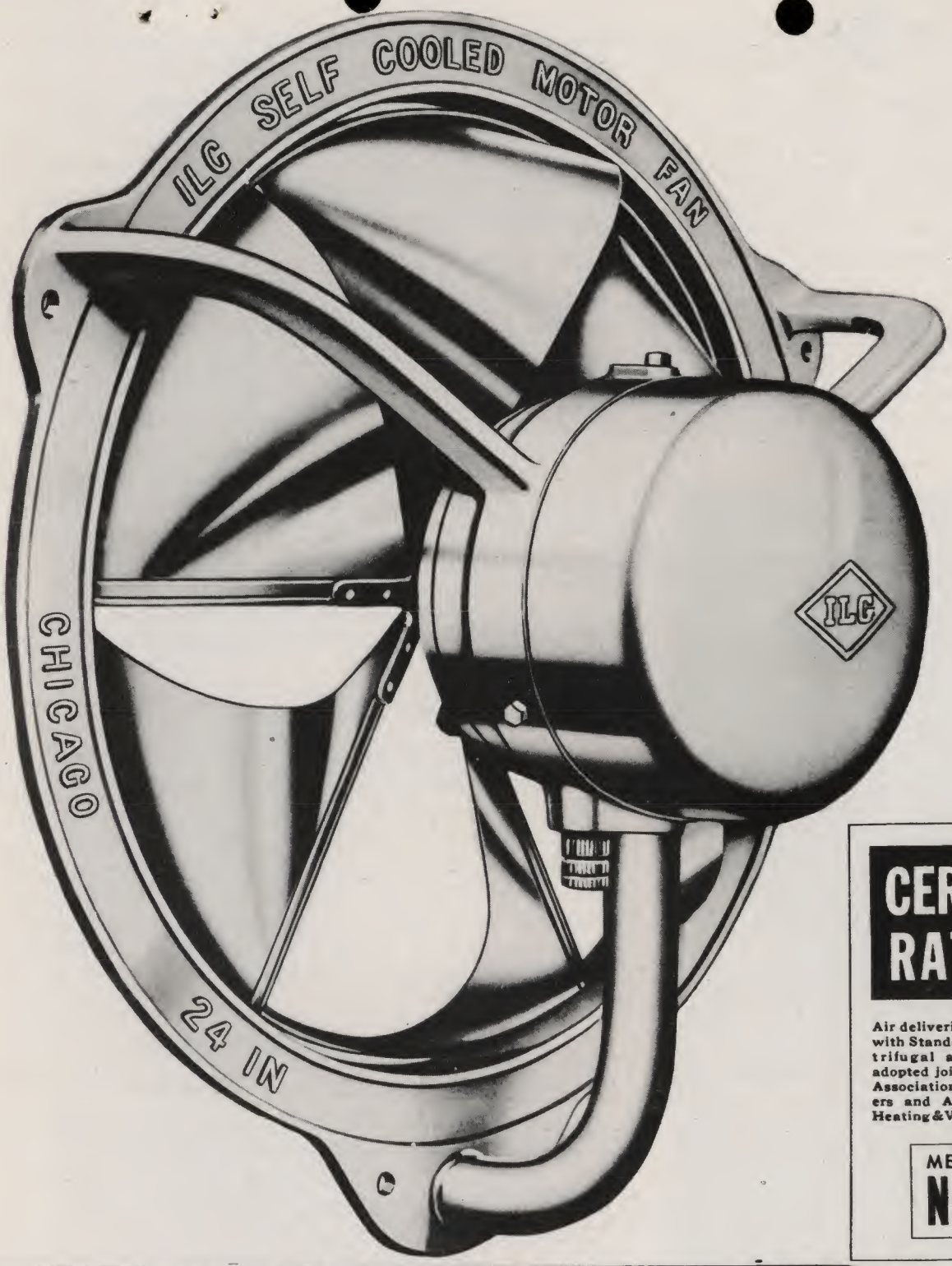


CERTIFIED RATINGS

Air deliveries are in accordance with Standard Test Code for Centrifugal and Propeller Fans adopted jointly by the National Association of Fan Manufacturers and American Society of Heating & Ventilating Engineers.

MEMBER OF **NAFM**

ILG SELF-COOLED MOTOR PROPELLER FANS

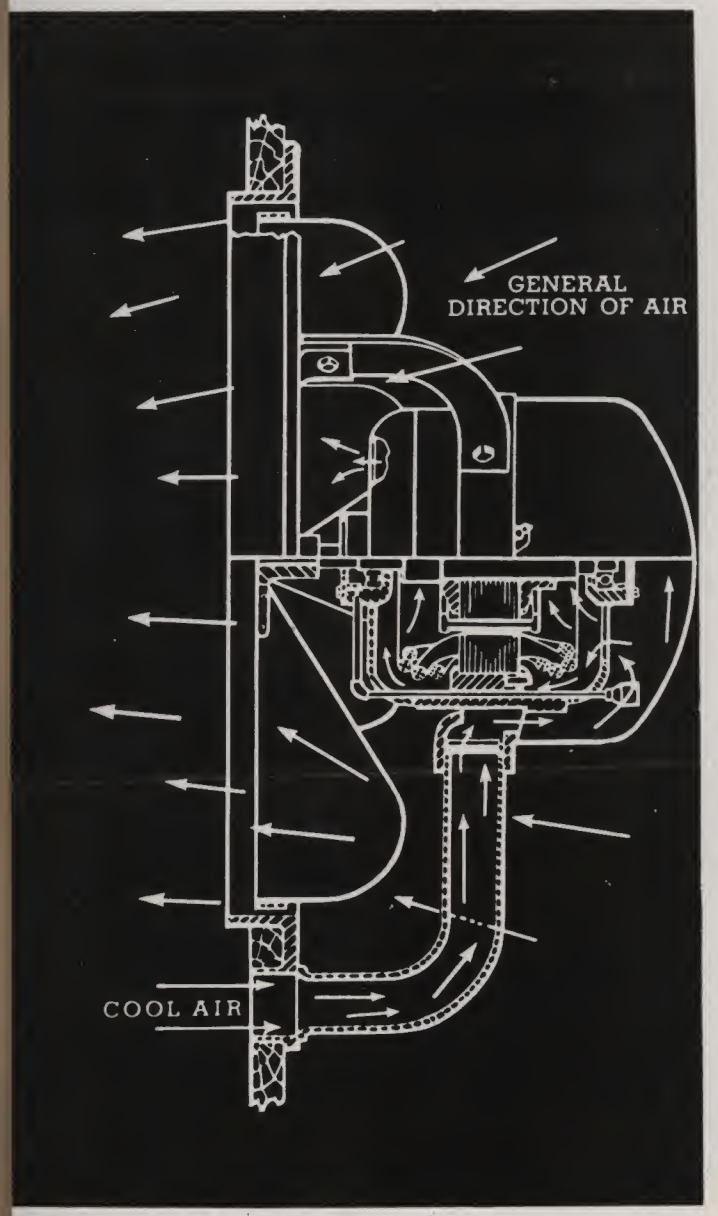
BULLETIN F 456 C

Self-Cooled Motor

The ingenious, exclusive, self-cooling features of the Ilg ventilating fan motor combines the low operating cost of the open motor with the protection of the fully enclosed motor. The black cut below tells the story.

The Ilg Self-Cooled motor is an open motor, protected and enclosed by a metal hood. The fan action draws clean air through the vent-pipe from the outside, circulates it through the motor (follow the arrows) and exhausts it. The Ilg Self-Cooled motor stays clean, stays cool; no foul air reaches it.

The value of the Ilg Self-Cooling feature is reflected in lower operating costs, and longer service life.



"The Motor That Breathes"

One Name-Plate Construction

Ilg Self-Cooled Motor Propeller Fans like other Ilg Products, are made throughout in the Ilg Factory. Here is individual responsibility. Service and maintenance are simplified and guarantees strengthened by this thorough Ilg policy.

Its value is observed in the Ilg Self-Cooled Motor. Since a ventilating fan is no more dependable than its motor, Ilg has developed motors intended solely to meet the special conditions encountered in ventilating fan duty. The Ilg Fan motor is designed and built as an integral part of the Ilg Self-Cooled Motor Propeller Fan.

Slow Speed—Quietness—Long Life

Ilg Self-Cooled Motor Propeller Fans are made to operate efficiently at low speeds, from the 9½″ Ilgette running at 1750 R.P.M. to the 72″ Ilg Fan at 315 R.P.M.; slow speeds characterize the Ilg line. Slow speeds permit quiet operation, smoother, effortless running, less vibration and bearing wear. Many an Ilg Self-Cooled Motor Propeller Fan is as good as new after years of service. Slow speed is one reason.

Improved, Balanced Wheel

Slow speeds are possible because of the improved Ilg bucket type fan wheel. The deeply cupped blades scoop up the air, working efficiently at low speeds. Dynamic balancing on a costly machine makes the Ilg fan wheel quiet, vibration-free for life.

Complete Testing

Before an Ilg Self-Cooled Motor Propeller Fan can be shipped, it must undergo a series of tests on the actual current and voltage for which it was built. The results of this test are carefully recorded and are available to the user of the fan at any time. Every Ilg fan unit is tested in this manner; rated performance is guaranteed.

SIZES, CAPACITIES, WEIGHTS, CODES
Ilg "Self-Cooled Motor" Propeller Fans

ILG FAN RATINGS ARE GUARANTEED TO BE IN ACCORDANCE WITH THE TEST CODE OF THE AMERICAN SOCIETY OF HEATING AND VENTILATING ENGINEERS

NOTE: In ordering fans specify exact voltage.

ALTERNATING CURRENT
Constant Speed—One Phase—60 Cycle—110 and 220 Volts

Size	Speed R.P.M.	C.F.M.	Watts Input	Motor Frame	Shipping Weight	CODE* WORD
Ilgvent	1550	350	35	51	10	ABBOT
Ilgette	1550	500	40	52	12	FAGET
12″ Ilgair	1140	800	70	33	23	ASPO
16″ Ilgair	855	1000	100	15	48	ASPIC
16″ SH	1140	1400	100	15	48	ATEND
18″ SH	1140	2300	170	S87	80	ATOM
20″ SH	1140	3200	250	S87	96	AZOTH
24″ SH	855	4100	275	DE102	186	AUGUR
30″ SH	685	7300	450	DE101	216	AXIS
36″ SH	570	9650	500	104	445	AZURE
42″ SH*	490	12300	800	104	550	TAZYN
48″ SH*	490	18400	1300	105	780	TAZAR

*Code word indicates 110 volts. Prefix Letter "T" for 220 volts. Prefix Letter "F" for 50 cycles. Prefix Letter "V" for 208 volts.
50 Cycle Speeds and capacities are approximately ⅚ those shown for 60 Cycle.
*220 volts only.

ALTERNATING CURRENT
Two Speed—One Phase—60 Cycle—110 and 220 Volts

Size	Speed R.P.M.	C.F.M.	Watts Input	Motor Frame	Shipping Weight	CODE* WORD
16″ S	1140 855	1400 1000	100	15	60	ATENDTS
18″ S	1140 855	2300 1750	170	D-87	84	ATOMTS
20″ S	1140 855	3200 2400	250	D-87	96	AZOTHTS
24″ S	855 600	4100 2880	275	D-102	190	AUGURTS
30″ S	685 500	7300 5420	450	D-101	220	AXISTS
36″ S	570 400	9650 6900	500	D-104	450	AZURETS
42″ S*	490 380	12300 9800	800	D-104	568	TAZYMTS

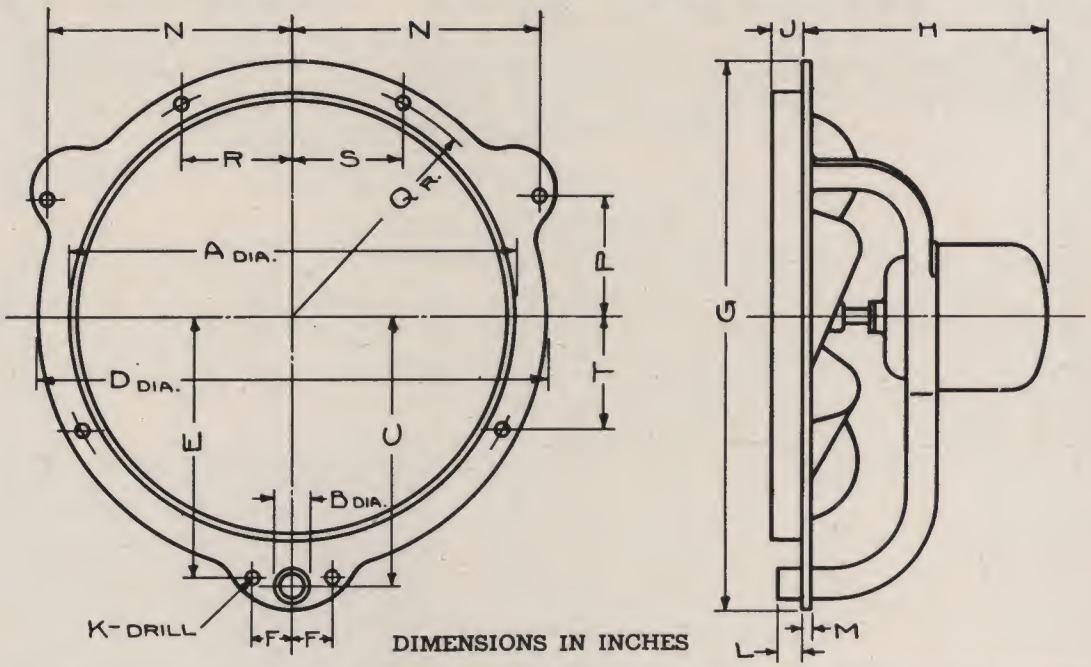
*Code word indicates 110 volts. Prefix Letter "T" for 200 volts. *220 volts only. Prefix Letter "F" for 50 cycles.
50 Cycle Speeds and capacities are approximately ⅚ those shown for 60 Cycle.
These fans are equipped with two speed switch. See page 11 for dimensions of these switches. The low speeds shown are approximate.

ALTERNATING CURRENT
60 Cycle—Two or Three Phase—Constant Speed—220-440-550 Volts

Size	Speed R.P.M.	C.F.M.	Watts Input	Motor Frame	Shipping Weight	CODE* WORD
18M	1140	2300	120	87	80	ACUS
20M	1140	3200	200	87	110	AGY
24M	855	4100	250	102	172	ADELO
30M	685	7300	400	101	228	ADHOC
36ML	490	8300	460	104	450	ADCO
36M	570	9650	460	103	460	ADONIS
42M	490	12300	800	104	630	ADOX
48M	490	18400	1300	105	780	ADULA
54M	425	23200	1950	107	900	ADOCY
60M	380	28400	2000	108	1150	ADRAS
72M	315	40500	2100	109	1600	ADULT

50 cycle speeds and capacities are approximately ⅚ of those shown for 60 cycle. Prefix Letter "K" for 440 volts. Prefix Letter "F" for 50 cycles.
*Code word indicates 220 volts. Prefix Letter "Q" for 550 volts. Prefix Letter "Y" for 208 volts.
Propeller fans are not designed to be used in connection with extension system of ducts, flues or pipes, or to deliver air against greater than ⅛" static pressure.

DIMENSIONS ILG PROPELLER FANS



DIMENSIONS IN INCHES

SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T
ILGVENT	8½	13/16	4¾	9¾	4½	¾	10¼	6⅛	⅝	9/32	½		4¼	2				
ILGETTE	10¾	15/16	6	12¼	5⅞	⅞	13	7¾	23/32	9/32	19/32		5⅜	2½				
12	12¼	1 1/16	7 3/16	13½	7 1/16	1	14¾	8⅛	¾	9/32	½	¼	6 3/16	3 9/16				
16	16¼	1¼	9¾	18	9⅜	1 13/32	19 9/16	9¼	1	11/32	⅝	¼	8½	4				
18	18½	1¼	11 1/16	21	10 11/16	1 5/16	22 13/16	10¼	1⅝	13/32	1¼	⅜	10⅛	4⅝				
20	20⅝	1¾	12⅞	23⅞	12 5/16	2 5/16	26⅜	10⅞	1	7/16	¾	5/16	11⅜	5 5/16				
24	24¾	2⅛	15	28⅛	14 7/16	2 13/16	30½	16	1 13/16	7/16	1	7/16	13⅜	6¼				
30	30¾	3	18½	34½	17¾	3¼	37¾	17	2⅛	17/32	1½	⅜	16 5/16	7⅝				
36	36⅞	3⅝	21⅝	40 9/16	20½	3 13/16	44½	20½	2 1/16	9/16	1 9/16	9/16	19 3/16	8 15/16				
42	42⅞	4⅛	25⅛	46¾	24 1/16	3¼	51⅛	20½	2¼	9/16	1¾	⅝	22⅛	10 5/16	22⅜	4		11 3/16
48	49⅛	4⅞	29 7/16	54¾	28¼	4	60	24¾	2½	11/16	1⅝	⅝	25⅝	11 15/16	25⅝	14	14	12 13/16
54	55¾	5	33⅛	60⅝	31 3/16	4⅝	67½	25½	2½	11/16	1⅝	⅝	28⅜	13¼	28⅞	15½	15½	14 7/16
60	61⅛	6	36 1/16	66¾	34	4⅝	72⅞	30	2⅝	11/16	1⅝	¾	29¾	17 3/16	31¾	13¾	15⅜	15⅞
72	73¼	5½	44 1/16	79¼	40 11/16	6⅞	88¼	32½	3	13/16	2	⅞	35¾	20⅝	37⅞	15⅛	22½	18 15/16

ILG ELECTRIC VENTILATING CO., 2850 N. Crawford Ave., CHICAGO

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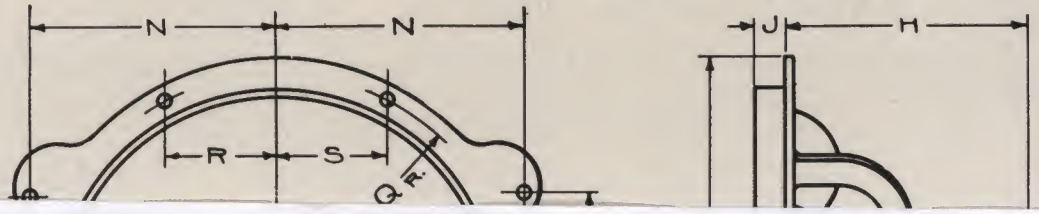
ENGINEERING DATA

DIMENSIONS ILG PROPELLER FANS



SIZE	A
ILGVENT	8½
ILGETTE	10⅝
12	12½
16	16½
18	18½
20	20⅝
24	24⅝
30	30⅝
36	36⅞
42	42⅞
48	49⅛
54	55⅛
60	61⅛
72	73⅜

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